

A new *Anisota* from Arizona (Lepidoptera Heterocera, Ceratocampidae).

BY C. R. BIEDERMAN.

A. skinneri n. sp. ♂.

Form that of *A. virginienensis*. Antennae, head, thorax and abdomen a deep rich ochreous yellow. Primaries reddish brown, spot on discal area silver white, 1 mm. square, basal corners slightly rounded; 4 mm. from the external margin and parallel to it runs a narrow bluish band. Costal margin marked by a dull brown band 1 mm. wide. Secondaries a rich purple brown, somewhat lighter at the costal margin, deepest at the base. Under side: abdomen, two-thirds its length from thorax nearly naked, grayish brown; primaries same as upper surface except liral area, which is a dull grayish brown, discal spot dull white; secondaries dull grayish brown, with basal patch of purple brown. Expanse 53 mm. The female is much larger, expanse 71 mm., of lighter color and marked in the same manner.

Life-history of *Anisota skinneri*: Eggs found on August 20th hatched September 1st-5th inclusive. Young larvae grayish-brown, naked, 2 mm. Commenced to feed 4 days after emerging. Changed to reddish-brown September 10th. Changed to dull red September 13th. September 16th skin shows tiny ridges like paper crumbled up and smoothed out again. This form of skin stays to time of pupation. First pupation September 29th, last October 5th. No moulting whatever; no spinning of cocoon. Chrysalid naked in the loose ground 2 to 3 inches under surface, sandy earth preferred with a layer of dead leaves on top. They cease feeding and wander aimlessly around cage, color fades to a reddish clay and anal portion and head shrink towards center with slight swells. My experience of last year teaches me that this larva when freely handled will wander about, feed very irregularly and little, and finally die; of 22 I saved only 2. This year they were not handled and all but one went underground. Food, black (live) oak.

Average length of grown larvae 56 mm. The emerged larva shows no spines at first, but elevated dark punctures where they grow afterwards. Adults emerged last year August 5th.



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